

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  256 .2CIPWO	<b>FOR FURTHER ACTION</b>	
	see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No.  PCT/IB2004/000008	International filing date (day/month/year)  06/01/2004	(Earliest) Priority Date (day/month/year)  11/04/2003
Applicant  RANBAXY LABORATORIES LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2.  **Certain claims were found unsearchable** (See Box II).

3.  **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

AZABICYCLO DERIVATIVES AS MUSCARINIC RECEPTOR ANTAGONISTS

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2004/000008

**Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)**

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/000008

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D209/52 A61K31/403 A61P11/00 A61P13/00 A61P1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 823 423 A (BANYU PHARMA CO LTD) 11 February 1998 (1998-02-11) cited in the application page 14, line 14 -page 16, line 24; claims 1,8,10,11 ---	1-21
A	EP 0 843 141 A (GEA WAERME UND UMWELTTECHNIK G) 20 May 1998 (1998-05-20) page 9, line 4 - line 26; claim 1; examples 1-13 ---	1-21
Y	WO 02/053564 A (ALMIRALL PRODESFARMA AG ;BUIL ALBERO MARIA ANTONIA (ES); FERNANDEZ) 11 July 2002 (2002-07-11) page 38, line 26 -page 40; claims 1,33 ---	1-21 -/-



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## • Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

5 May 2004

Date of mailing of the international search report

19/05/2004

## Name and mailing address of the ISA

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## Authorized officer

Schuemacher, A

## INTERNATIONAL SEARCH REPORT

International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/04402 A (BANYU PHARMA CO LTD ;MATSUDA KENJI (JP); KURIHARA HIDEKI (JP); OGI) 17 January 2002 (2002-01-17) -& EP 1 302 458 A (BANYU PHARMACEUTICAL CO, LTD.) 16 April 2003 (2003-04-16) p.4, 1.18-30 page 67, line 1 - line 5; claims 22,27,29; example 26 ---	1-21
E	WO 2004/004629 A (RANBAXY LABORATORIES LIMITED, INDIA) 15 January 2004 (2004-01-15) the whole document ---	1-21
E	WO 2004/018422 A (RANBAXY LABORATORIES LIMITED, INDIA) 4 March 2004 (2004-03-04) the whole document -----	1-21

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/000008

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 0823423	A 11-02-1998	AU EP JP US CA WO	700837 B2 5513996 A 0823423 A1 2993124 B2 5750540 A 2218479 A1 9633973 A1	14-01-1999 18-11-1996 11-02-1998 20-12-1999 12-05-1998 31-10-1996 31-10-1996
EP 0843141	A 20-05-1998	EP AT DE	0843141 A1 166959 T 59600249 D1	20-05-1998 15-06-1998 30-07-1998
WO 02053564	A 11-07-2002	BR CA EE WO EP HU NO US	0116624 A 2433128 A1 200300312 A 02053564 A2 1353919 A2 0303524 A2 20033002 A 2004072863 A1	23-12-2003 11-07-2002 15-10-2003 11-07-2002 22-10-2003 28-01-2004 30-06-2003 15-04-2004
WO 0204402	A 17-01-2002	AU CA EP WO US	7102701 A 2415468 A1 1302458 A1 0204402 A1 2003191316 A1	21-01-2002 10-01-2003 16-04-2003 17-01-2002 09-10-2003
WO 2004004629	A 15-01-2004	WO	2004004629 A2 2004005252 A1	15-01-2004 15-01-2004
WO 2004018422	A 04-03-2004	WO	2004018422 A1	04-03-2004

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB2004/000008

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  
**Although claims 4-7 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.**
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.